

Date: Friday, 7/4/2008 12:48:26 PM  
User: Jim Johnston

# Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: PLUG
Job Number	: 40276		
Estimate Number	: 12292		
P.O. Number	:	Part Number	: D26513
This Issue	: 7/4/2008 S.O. No. :	Drawing Number	: D2651 REV.B
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: / / Type : PURCHASED PARTS	Drawing Revision	: B
Previous Run	: 39784	Material	:
Written By	:	Due Date	: 7/30/2008
Checked & Approved By	: <u>208 0707</u>	Qty:	300 Um: Each
Comment	: est rev. 06.02.15 new issue EC		

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 PG PURCHASING



Comment: PURCHASING

Issue P/O: 6704

Purchase P/N: 2-008 as per Dwg D2651

Supplier: Parker

Ensure Certificate of Conformity is attached

208107107

300 287CL

2.0 MS28775008 O RING



Comment: Qty.: 1.0000 Each(s)/Unit Total : 300.0000 Each(s)

O RING

3.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

20810710

300 287CL

4.0 QC6 DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

Ensure Material certification comply to Dwg D3446

20810710

287

counter

5.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: FP2 Finishing

8/7/10

287

CD

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Friday, 7/4/2008 12:48:26 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 40276

Part Number: D26513

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



08/07/15 *[Signature]*

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 08-07-14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

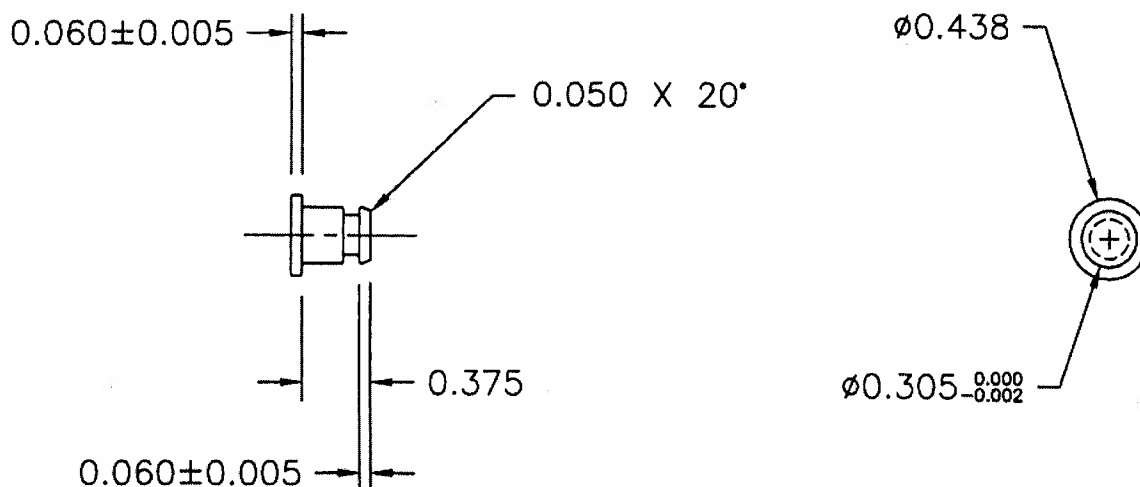
**NOTE:** Date & initial all entries



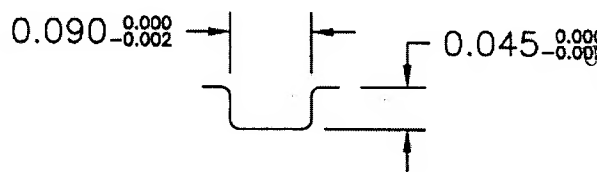
DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2651	REV. B SHEET 1 OF 1
DATE 03.12.19		TITLE PLUG	SCALE 1:1
A	97.03.25	NEW ISSUE	
B	03.12.19	ADD POWDER COAT, MS28775-008	

RELEASED  
03.12.19 #

### D2651-1 PLUG:



### GROOVE DETAIL (SCALE 5:1)



SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 40276

### D2651-1 PLUG

- 1) MATERIAL: 6061-T6 (QQ-A-225/8) OR 1100-0 (QQ-A-225/1)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.010 MAX

### D2651-3 O-RING

- 1) MATERIAL: BUNA N, 70 DUROMETER  
3/16 ID, 5/16 OD, 1/16 WIDTH  
(PARKER 2-008, MS28775-008 OR EQUIVALENT)

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# M & M Aerospace Hardware, Inc.

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191  
 Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR  
 www.mmaero.com

INVOICE NUMBER

P59246

SOLD TO:

002409

DART AEROSPACE LTD  
 1270 ABERDEEN ST  
 HAWKESBURY, ON  
 CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD  
 1270 ABERDEEN ST  
 HAWKESBURY, ON  
 CANADA K6A 1K7

PAGE 3

ORDER NO. 6704		DATE 07/08/08	SHIP VIA FEDX INTL ECON COLL		TERMS NET 45		F.O.B. FOB-MIAMI	
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	50	LOT# : 14815 LOT QTY: 50 COUNTRY OF ORIGIN: USA NAS1515H4 WASHER			EA	0	✓ 50	
	300	CTRL# : 2007L04789 LOT# : T9673 LOT QTY: 50 COUNTRY OF ORIGIN: USA MS28775-008 PACKING			EA	0	✓ 300 287	
	50	CTRL# : 2007E04601 LOT# : 0080055115 LOT QTY: 300 COUNTRY OF ORIGIN: USA MS24694C13 SCREW			EA	0	✓ 50	
		CTRL# : 2007G02975 LOT# : 19657 LOT QTY: 50 COUNTRY OF ORIGIN: USA						
***CONTINUED***								

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY M & M AEROSPACE

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1937, AS AMENDED, ARE APPLIED TO THE PURCHASE OF GOODS LISTED HEREON.

\*\*\*CONTINUED\*\*\*

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY M & M AEROSPACE

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1983, AS AMENDED, HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCTION OR PURCHASE OF GOODS LISTED HEREON.  
 ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE. ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1 1/4% MONTH (18% PER ANNUM).

MATERIAL CERTIFICATION  
 M & M AEROSPACE HARDWARE, INC. ("M & M AEROSPACE") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. M & M AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF M & M AEROSPACE IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT OF ANY ITEM WHICH IS REJECTED BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP. SUCH REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY M & M MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL M & M AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, M & M AEROSPACE MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP



BY RECEIVING DELIVERY OF THE GOODS COVERED BY THIS INVOICE, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREOF

Director of Worldwide Quality



- ORDER -

ENGINEERING AND SUPPLY CO., INC.

☐ CASH SALE ☐ PICKING TICKET☐ DIRECT ☐ CREDIT CARD

SHIPPED FROM:

SWAN ENGINEERING AND SUPPLY CO., INC.

DISTRIBUTOR OF:

ULIC HOSE &amp; COUPLINGS

INGS, TEFLON SEALS

PACKINGS

550 SHAWNEE AVE.

KANSAS CITY, KS 66105-2184

(913) 371-7425

(800) 444-7425

FAX (913) 371-4210

## PLEASE NOTE:

- (1) 15% Handling Charge on Returns.  
 (2) Proof of Purchase Required on all Returns.  
 (3) O-rings, seals, gaskets, hose assemblies and items made of rubber are non-returnable after 30 days.  
 (4) No returns after 6 months.  
 (5) Authorization for returns must be obtained from parts manager.

## SHIPPING INSTRUCTIONS

☐ TODAY SURE ☒ ASAP ☐ CUSTOMER PAU

CARRIER

SHIP VIA:

UPS ► ☐ RED ☐ BLUE ☐ GROUND☐ POSTAL ☐ TRUCK ☒ FED EX

1 &amp; M AEROSPACE HDW., INC.

\*\*FED EX GROUND\*\*

P.O. BOX 025263

MIAMI, FL 331025263

FROM



ENGINEERING AND SUPPLY CO., INC.

550 SHAWNEE AVENUE

KANSAS CITY, KANSAS 66105-2184

CUSTOMER P.O. NO.

0BB231

VENDOR ID.

SWAN INV NO.

133205

TO

M &amp; M AEROSPACE HDW, INC.

\*\*FED EX GROUND\*\*

10000 N.W. 15TH TERRACE

MIAMI, FL 33172

THIS MAY NOT BE YOUR INVOICE !!

PHONE NO. (000) 000-0000

TERMS	CUST NO.	SALES REP	NO. OF PKGS.	SHIPPED VIA	PICK/PACK BY	ORDER PLACED BY	ORDER DATE	SHIP DATE
30	19247	04	2	FED EX	acc/km	JON	04/20/07	06/20/07

QUANTITY			PART NUMBER	DESCRIPTION	UNIT PRICE	UNIT	EXTENSION
ORDERED	SHIPPED	BACK ORDERED					
20000.00	20,000	0	MS28775-008.	O-RING	.0510	EA	
O-RING QTY 1 EA M&M AEROSPACE P/N MS28775-008 MFG PARKER SEAL CO  CURED 1Q07 BATCH 80055115				8 08/07/10			
							ENTERED 4-20-07 COMPLETED acc/km 5/15/07 COMPLETED 5-16-07

ED IN GOOD ORDER BY:

MDSE. AMOUNT

FREIGHT

STATE

SALES TAX

TOTAL AMOUNT DUE

ALL CLAIMS FOR SHORTAGES  
OR DAMAGED GOODS MUST  
BE MADE WITHIN 48 HOURS.

DATE 5-14-07

on, whether a sale, lease or repair, is subject to Swan Engineering and Supply Co., Inc.'s standard terms and conditions for the particular type of transaction involved, which terms and conditions include, but are not limited to, the following: (1) the Customer shall have NO WARRANTY whatsoever as to the equipment or parts sold or leased or repair services performed and expressly DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; (2) the Customer shall have NO REMEDY whatsoever against Swan Engineering and Supply Co., Inc. as a result of such sale, lease or repair work (including but not limited to the recovery of direct, incidental, special, indirect, or consequential damages or otherwise, or whether based on contract, tort, strict liability or other legal theory).





**Parker Hannifin Corporation**

O-Ring Division  
Parker Seal de Matamoros  
Diagonal Lorenzo De La Garza #13 Ciudad  
H. Matamoros, Tam. 87499, Mexico  
Phone: (859) 335-3000

— NOTICE —  
**This is a C.B.I. Compound!**

C.B.I. is Parker's exclusive quality assurance program for Controlled Batch Identification, your assurance of reliability.

**CONFORMANCE CERTIFICATE FOR MATERIAL SHIPPED**

Parker O-Ring Division certifies that the material used in the manufacture of the parts identified below and called for on Purchase Order Number 181784 received by us from SWAN ENG SPLY KANSAS KS is traceable to C.B.I. Number 0080055115 and that the material used conforms to the requirements of the specifications indicated below. The tests were performed in accordance with these specifications, and data supporting the indicated results are on file.

CUSTOMER PART NUMBER	PARKER PART NUMBER	COMPOUND	QUANTITY	CURE DATE	SHIP DATE																																																				
MS28775-008.	MS28775-008	N0304 -75	20000	1Q07	05/02/07																																																				
TESTED AS: 2-214 & BUTTONS																																																									
<table border="1"><thead><tr><th>PHYSICAL PROPERTIES</th><th>REQUIREMENTS</th><th>VARIATION</th><th>PARKER FINDINGS</th></tr></thead><tbody><tr><td>SPECIFICATION MIL-P-25732C</td><td>TYPE</td><td>CLASS</td><td>TEST DT 03/21/07</td></tr><tr><td>ASTMD297 SPECIFIC GRAVITY</td><td></td><td>(1.26 - 1.30)</td><td>1.2800</td></tr><tr><td>ASTMD2240 HARDNESS SHORE A</td><td>(68 - 80)</td><td>(70 - 80)</td><td>75</td></tr><tr><td>ASTMD1414 TENSILE STRENGTH, PSI</td><td>1350 MIN</td><td>(1440 - 2160)</td><td>1691</td></tr><tr><td>ASTMD1414 ELONGATION, %</td><td>160 MIN</td><td>(160 - 226)</td><td>190</td></tr><tr><td>MODULUS AT 100% ELONG.</td><td>500 MIN</td><td>(500 - 9999)</td><td>638</td></tr><tr><td>TR-10 50% ELONG. 10% RETURN</td><td>-49 MAX</td><td></td><td>-50.0</td></tr><tr><td>FLUID AGEING 70 HRS AT 275F IN MIL H-5606</td><td></td><td></td><td></td></tr><tr><td>ASTMD395 COMPRESSION SET % MAX</td><td>55</td><td></td><td>34.2</td></tr><tr><td>TR-10</td><td>-49 MAX</td><td></td><td>-52.0</td></tr><tr><td>ASTMD2240 HARDNESS CHANGE</td><td>+5 -15</td><td></td><td>-12.0</td></tr><tr><td>VOLUME CHANGE</td><td>1 +20</td><td></td><td>20.0</td></tr></tbody></table>						PHYSICAL PROPERTIES	REQUIREMENTS	VARIATION	PARKER FINDINGS	SPECIFICATION MIL-P-25732C	TYPE	CLASS	TEST DT 03/21/07	ASTMD297 SPECIFIC GRAVITY		(1.26 - 1.30)	1.2800	ASTMD2240 HARDNESS SHORE A	(68 - 80)	(70 - 80)	75	ASTMD1414 TENSILE STRENGTH, PSI	1350 MIN	(1440 - 2160)	1691	ASTMD1414 ELONGATION, %	160 MIN	(160 - 226)	190	MODULUS AT 100% ELONG.	500 MIN	(500 - 9999)	638	TR-10 50% ELONG. 10% RETURN	-49 MAX		-50.0	FLUID AGEING 70 HRS AT 275F IN MIL H-5606				ASTMD395 COMPRESSION SET % MAX	55		34.2	TR-10	-49 MAX		-52.0	ASTMD2240 HARDNESS CHANGE	+5 -15		-12.0	VOLUME CHANGE	1 +20		20.0
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Testing Performed By PSDM Lab  
Diagonal Lorenzo De La Garza #13 Ciudad  
H. Matamoros, Tam. 87499, Mexico

CAGE CODE: 02697

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.

Purchaser use only. Reproduce only in full. Data pertains to items referenced.

The recording of false, fictitious or fraudulent statements or entries on the certificate may be punishable as a felony under federal law.

The information contained herein is submitted as the privileged and confidential property of the Parker Hannifin Corporation pursuant to 5 U.S.C. Section 552 (b)(3) and (b)(4), the Freedom of Information Act, exemption Number 3 and Number 4. This information shall not be duplicated, used or disclosed in whole or in part outside the recipient organization without express written consent of the Parker Hannifin Corporation.

**O-Ring Division  
PARKER HANNIFIN CORPORATION**

By

Ruben Ramirez  
Quality Assurance Manager

